

**SUZUKI DEALER MANAGEMENT SYSTEM (SDMS) – TO BE & FDD  
SEJAHTERA BUANA TRADA (SBT) & SUZUKI MOTOR GEMILANG (SMG)**

**Document Information**

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## TABLE OF CONTENTS

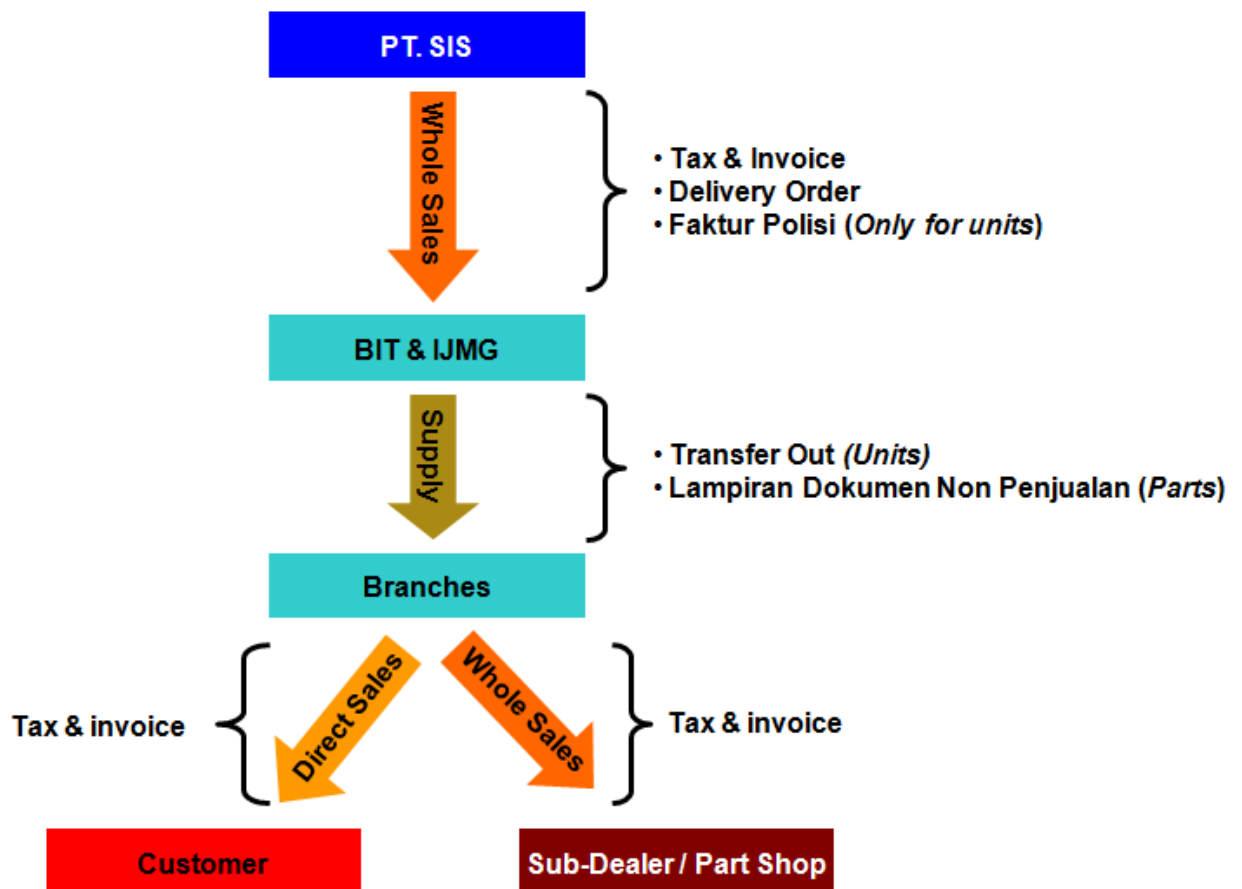
<b>SEJAHTERA BUANA TRADA (SBT) &amp; SUZUKI MOTOR GEMILANG (SMG)</b>	<b>1</b>
<b>1 OBJECTIVE / SCOPE</b>	<b>3</b>
1.1 OBJECTIVE	3
1.2 SCOPE	5
<b>2 BUSINESS PROCESS FLOW</b>	<b>6</b>
2.1 BUSINESS FLOW	6
2.1.1 Sales Operation	6
2.1.1.1 Direct Sales	6
2.1.1.2 Sales Return	7
2.1.2 Spare Part Operation	8
2.1.2.1 Direct Sales	8
2.1.2.2 Spare part Return	9
2.1.3 Service Operation	10
2.1.3.1 Service	10
2.1.3.2 Warranty Claim	11
2.1.3.3 PDI & FSC	12
2.1.3.4 Service Return	13
2.2 BUSINESS FLOW DESCRIPTION	14
2.3 HOW TO PROCESS	15
2.3.1 Service Operation	16
2.3.1.1 Input SPK	16
2.3.1.2 Generate Invoice (Faktur Penjualan & Faktur Penjualan Batch)	17
2.3.1.3 Cancel Invoice (Cancel Faktur Penjualan)	18
2.3.2 Spare Part Operation	19
2.3.2.1 Entry Pengeluaran Stock	19
2.3.2.2 Pembuatan PL & Entry Picked Qty PL	19
2.3.2.3 Pembuatan Lampiran Dokumen Non Penjualan	19
2.3.2.4 Pembuatan Lampiran Dokumen Service (combine 1 + 2 + 3)	19
2.3.2.5 Entry Retur Supply Slip	20
2.3.2.6 Entry Retur Service	20
2.3.2.7 Posting MD & SD (only for MD Database)	21
2.3.2.8 Posting MD & SD (only for SD Database)	21
<b>3 APPROVAL</b>	<b>23</b>

# 1 OBJECTIVE / SCOPE

## 1.1 OBJECTIVE

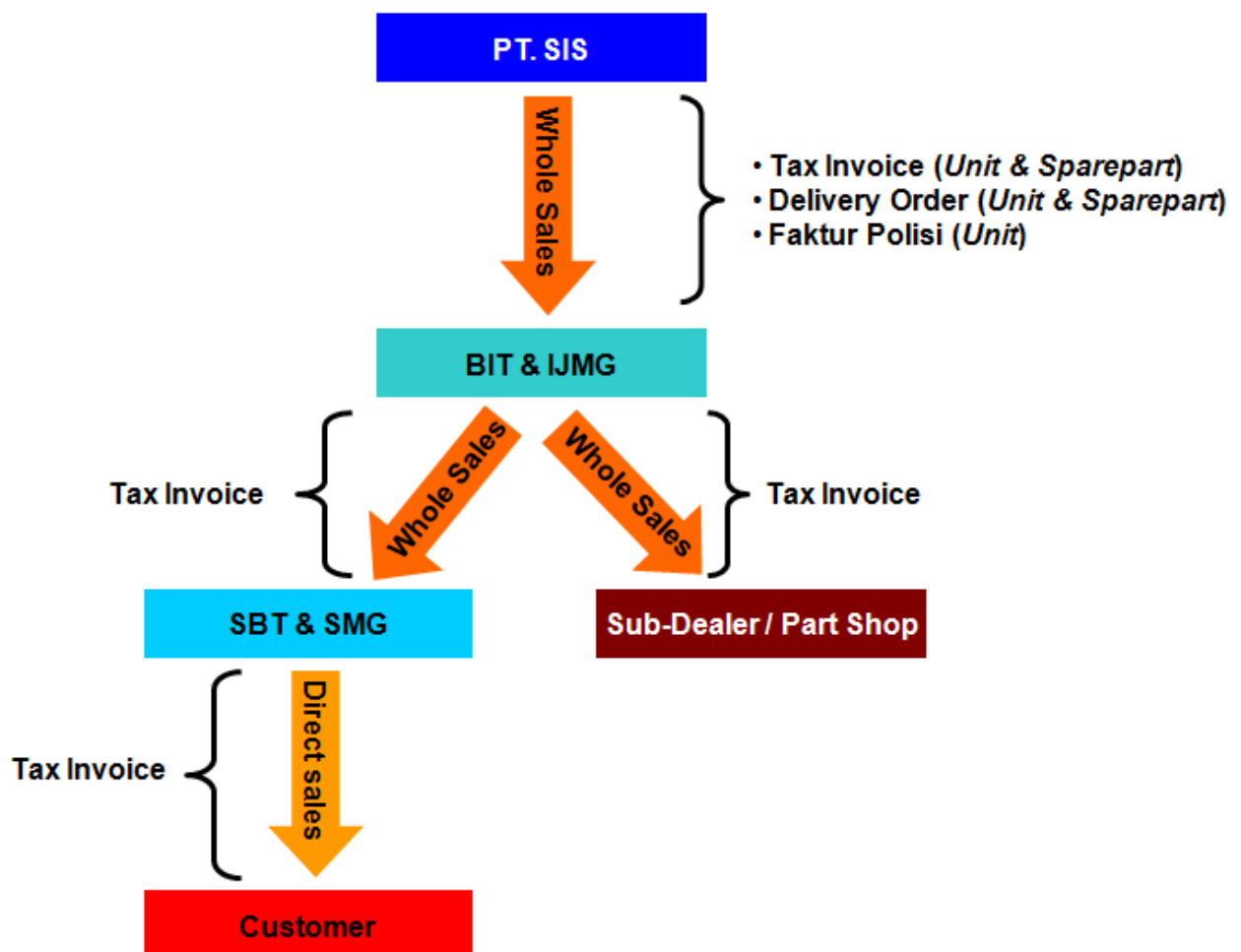
Current condition:

1. BIT, IJMG, SVMG, ISG and ISMG selling Units, Spare parts and Service to Sub-dealers, Part Shop and Customer.
2. Each dealer have headquarters and many outlets



Future condition:

1. BIT selling Units, Spare part and Service to Sub-dealers (include SBT dealer) and Part Shop
2. IJMG, SVMG, ISG, ISMG selling Units, Spare part and Service to Sub-dealers (include SMG dealer) and Part Shop.
3. SBT or SMG selling Units, Spare parts and Service to customer.
4. BIT & IJMG only have headquarters.
5. SBT and SMG have headquarters and many branches.
6. All branches of BIT become SBT branches.
7. All branches of IJMG, SVMG, ISG, ISMG become SMG branches.



Constraint:

1. Dealer SBT and Dealer SMG should not have stock.

## 1.2 SCOPE

SDMS need to enhance for support SBT dealer and SMG dealer.

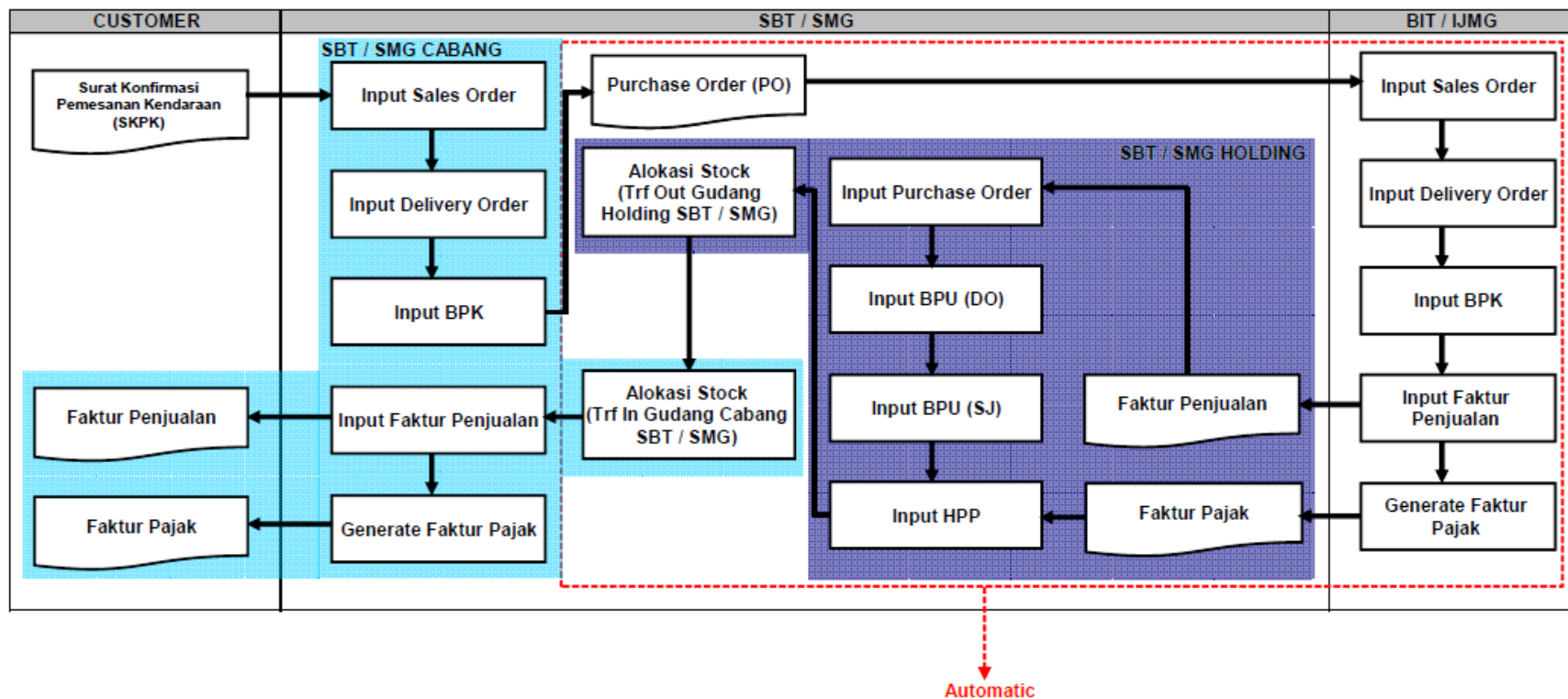
1. The new function will develop using WEB base.
2. Special process including automatic process in
  - a. Sales operation
  - b. Spare part operation
  - c. Service operation

## 2 BUSINESS PROCESS FLOW

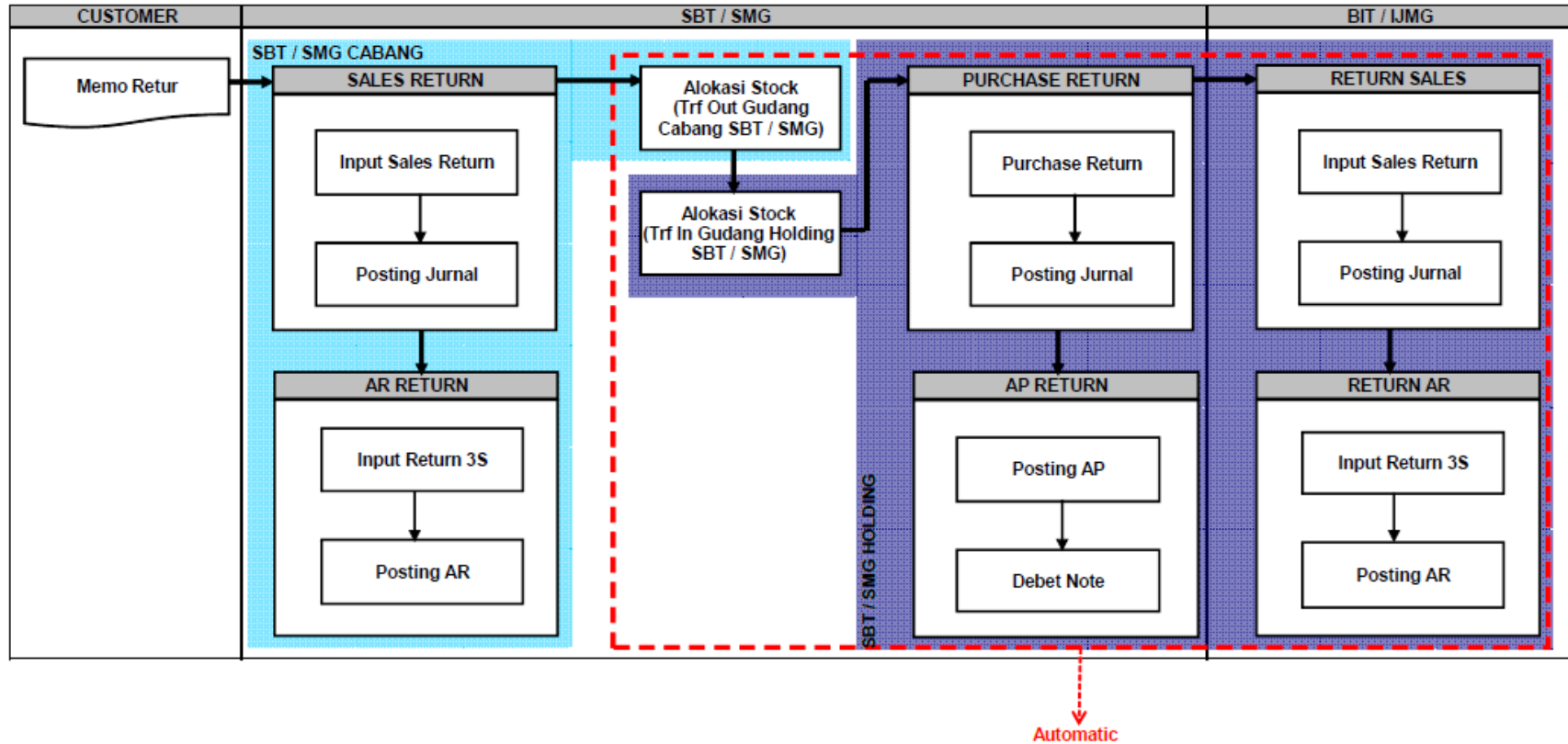
### 2.1 BUSINESS FLOW

#### 2.1.1 Sales Operation

##### 2.1.1.1 Direct Sales

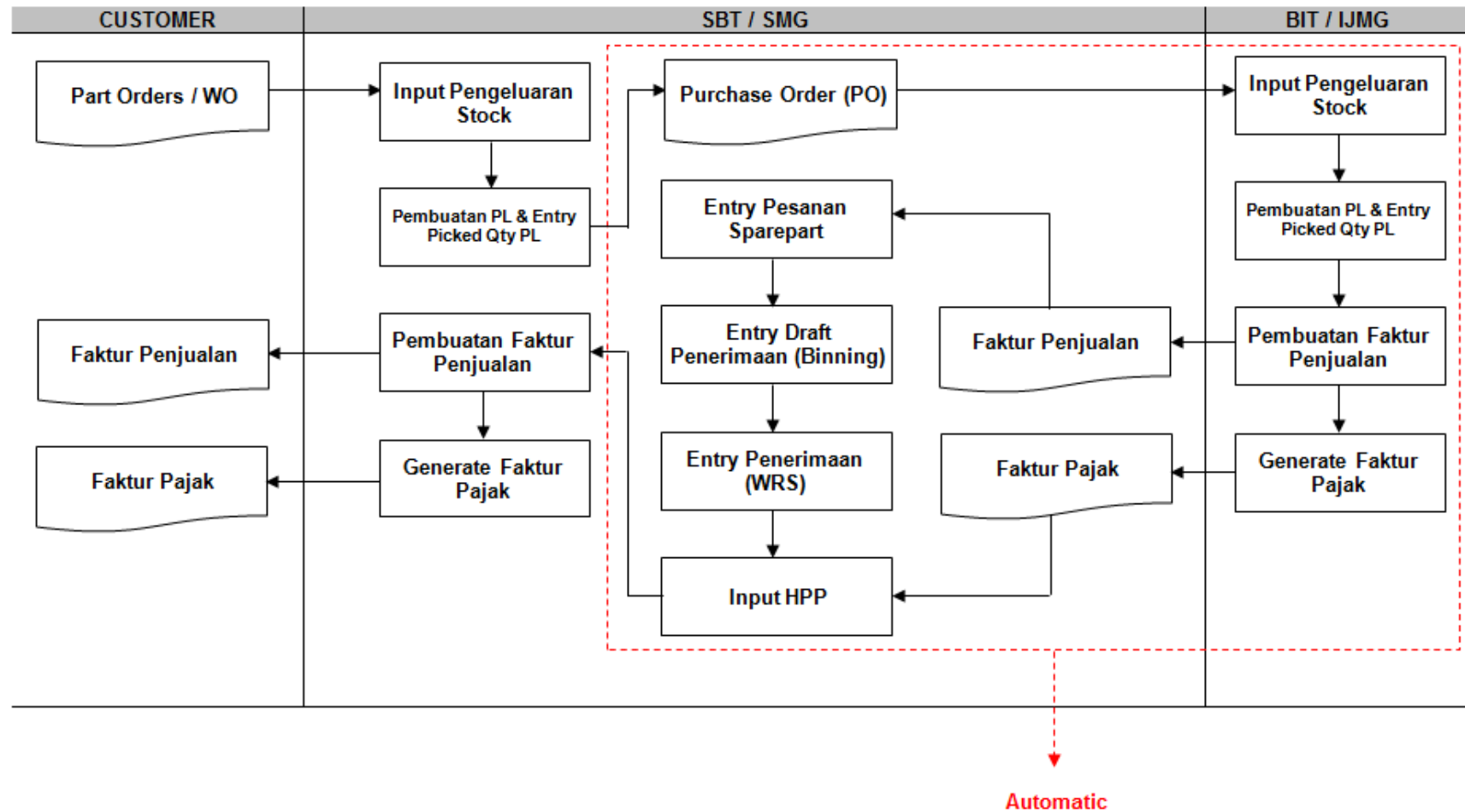


### 2.1.1.2 Sales Return



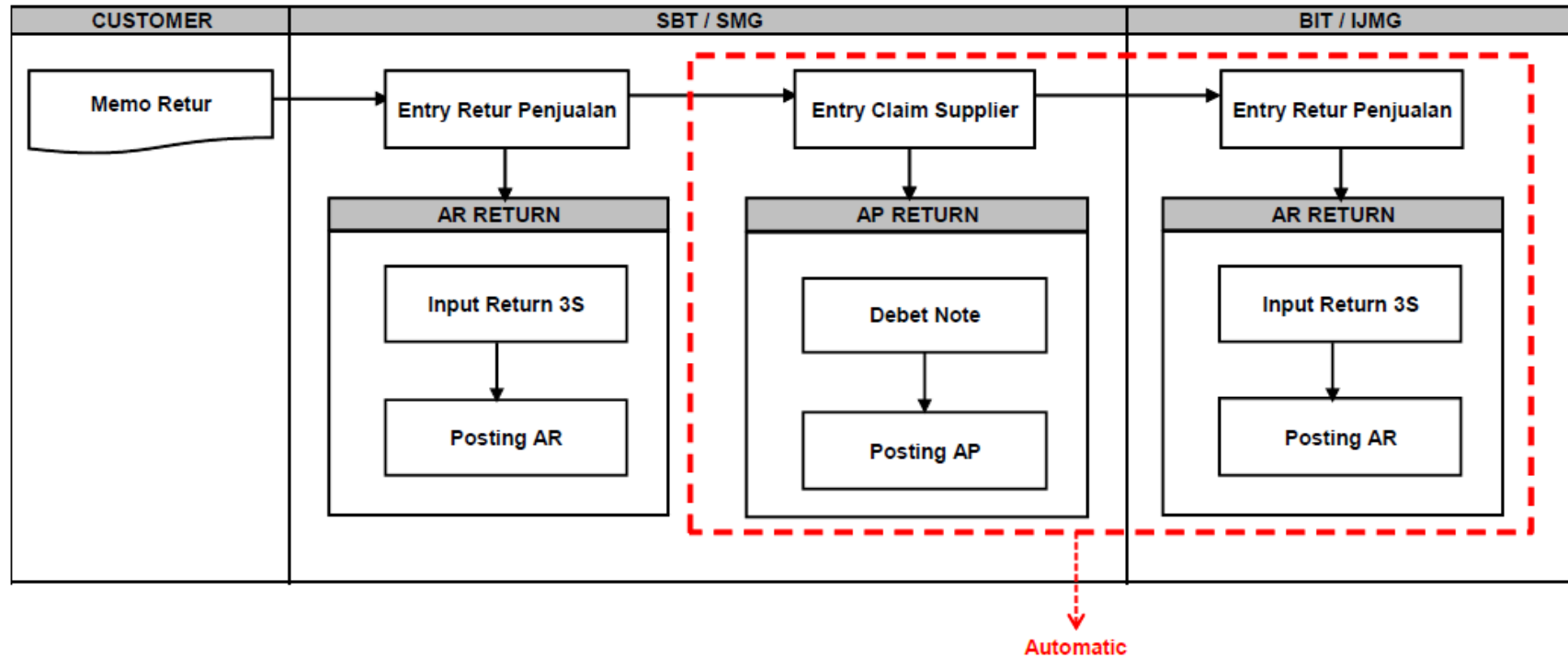
## 2.1.2 Spare Part Operation

### 2.1.2.1 Direct Sales



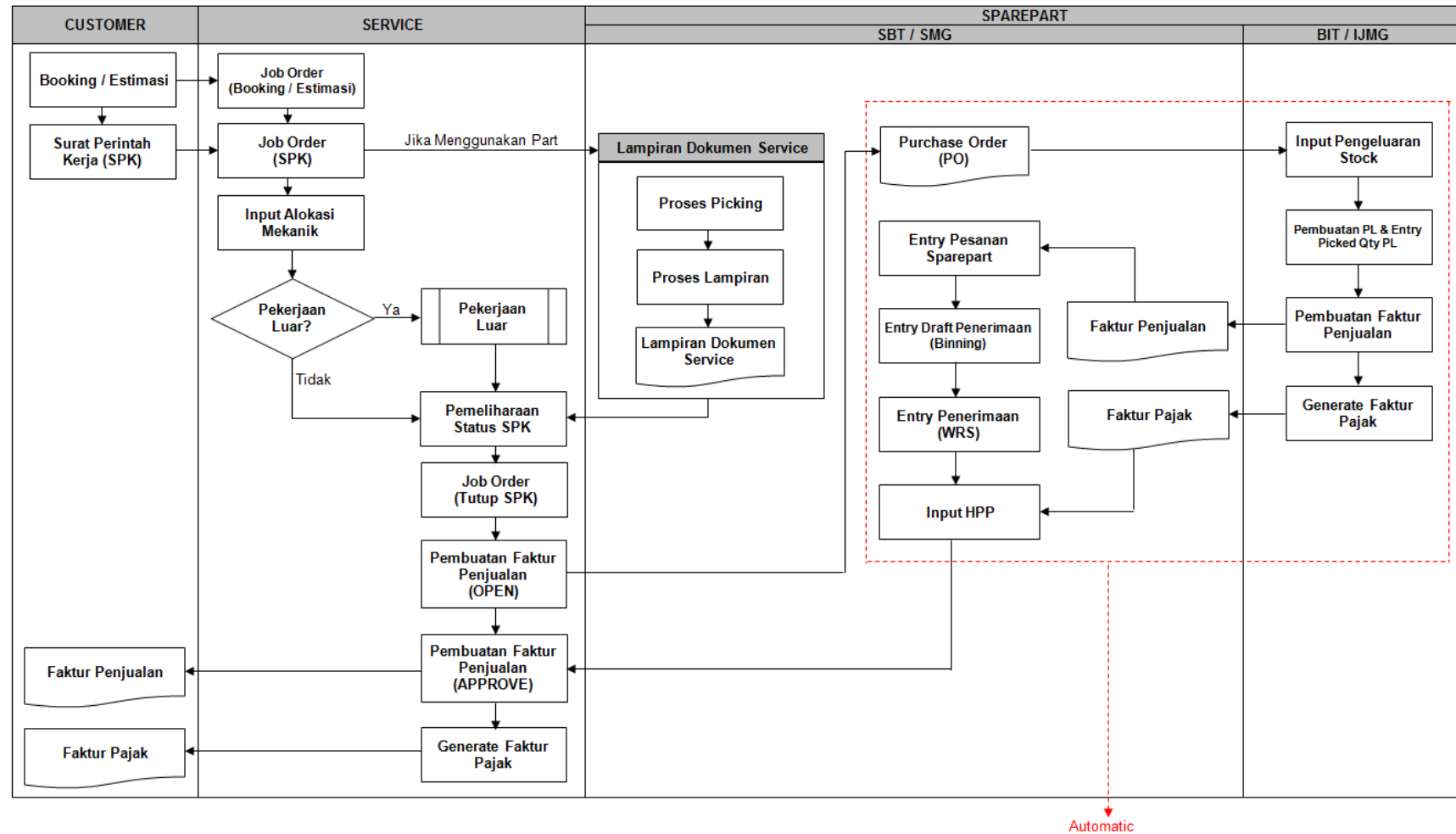


### 2.1.2.2 Spare part Return

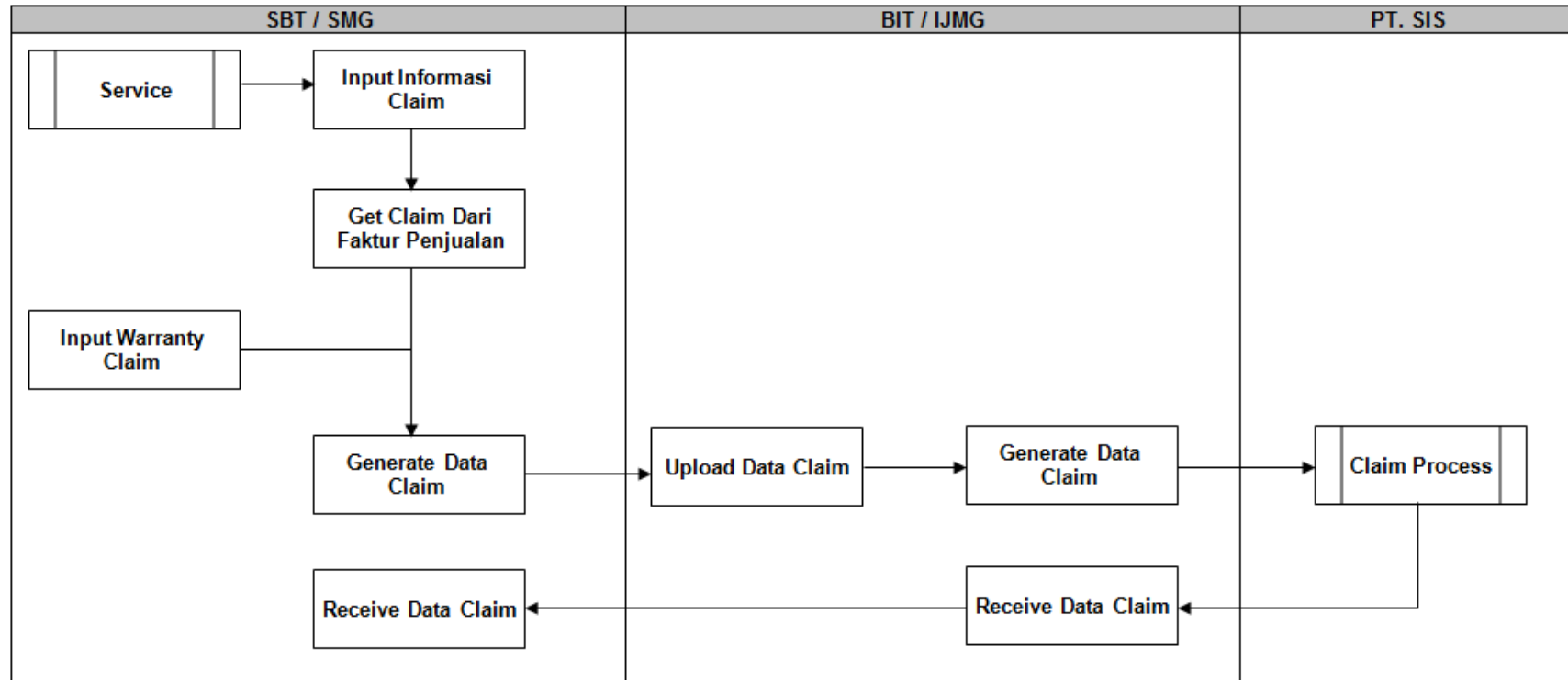


## 2.1.3 Service Operation

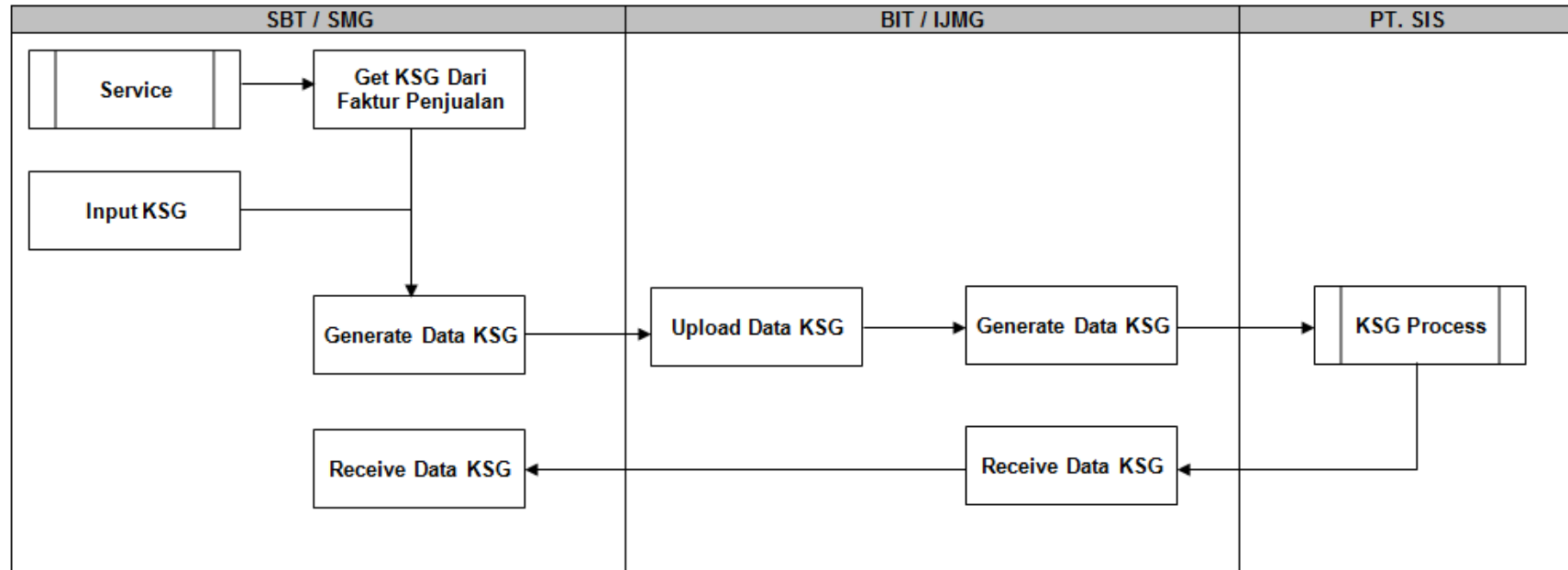
### 2.1.3.1 Service



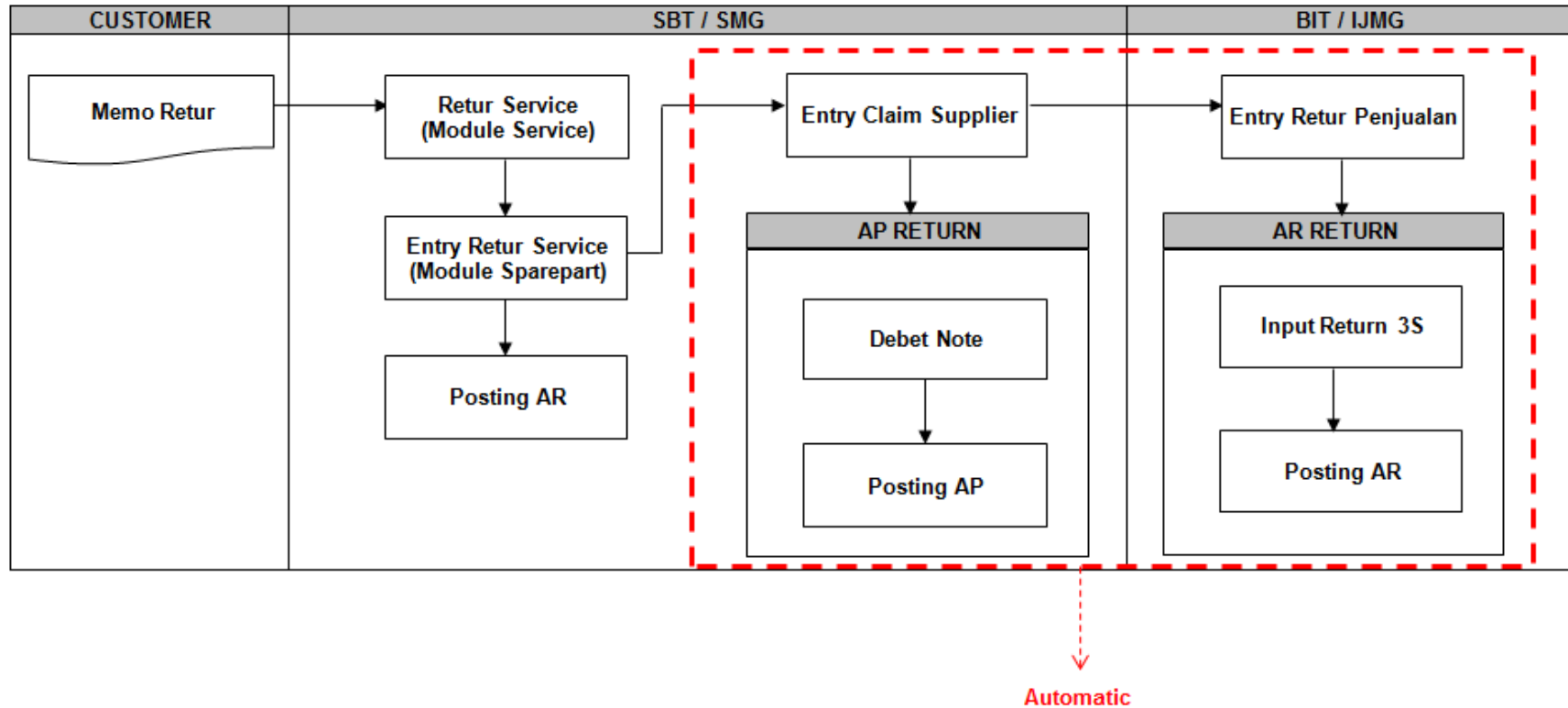
### 2.1.3.2 Warranty Claim



### 2.1.3.3 PDI & FSC



### 2.1.3.4 Service Return



## 2.2 BUSINESS FLOW DESCRIPTION

## 2.3 How To PROCESS

Consider about :

1. Check table of gnMstLookUp (Header & Detail)

- CodeID = 'DELR'
- LookUpValue = SBT/SMG company code
- ParaValue = '1'

If ParaValue = '1' used for dealer SBT/SMG

If ParaValue = '0' or NULL used for all dealers (exclude SBT/SMG)

2. Check table of gnMstLookUp (Header & Detail)

- CodeID = 'DELR'
- LookUpValue = 'MD'
- ParaValue = BIT/IJMG/SVMG/ISG/ISMG company code

3. Check table of gnMstCompanyMapping

Field Name	Type	Description
CompanyCode	varchar(15)	Company Code (SBT/SMG Company Code)
BranchCode	varchar(15)	Branch Code (SBT/SMG Branch Code)
BranchName	varchar(100)	Branch Name (SBT/SMG Branch Name)
DbName	varchar(15)	Database Name (SBT/SMG Database Name)
MappingType	bit	'0' : using Holding '1' : using Branch
CompanyMD	varchar(15)	Company MD Code
BranchMD	varchar(15)	Branch MD Code '0' : ex. '6006400' → mapping to holding '1' : ex. '6006406' → mapping to branch
BranchNameMD	varchar(100)	Branch MD Name
DbMD	varchar(15)	Database MD
WarehouseMD	varchar(15)	Warehouse MD Code '0' : ex. '10' → mapping to holding warehouse '1' : ex. '00' → mapping to branch warehouse
isStatus	bit	'0' : active '1' : not active

Note:

- BIT / IJMG / SVMG / ISG / ISMG dealer → database MD
- SBT / SMG dealer → database SD

## 2.3.1 Service Operation

### 2.3.1.1 Input SPK

⇒ Different process for Quantity Available & Cost Price for MD or SD

QtyAvail (see the red box in the picture)	MD atau SD	<p>QtyAvail = isnull (( select OnHand–AllocationSP–AllocationSR–AllocationSL from MD.spMstItems where CompanyCode= CompanyMD and BranchCode=BranchMD and PartNo=@PartNo ) ,0.0 )</p> <p>atau</p> <p>isnull (( select OnHand–AllocationSP–AllocationSR–AllocationSL from MD.spMstItems where CompanyCode= CompanyMD and BranchCode= BranchMD and PartNo=@PartNo and WarehouseCode=WarehouseMD ) ,0.0 )</p>
CostPrice	MD SD	<p>MD.spMstItemPrice.CostPrice</p> <p>DiscPct(Purchase Discount) = isnull (( select DiscPct from SD.gnMstSupplierProfitCenter where CompanyCode=@CompanyCode and BranchCode=@BranchCode and SupplierCode=CompanyMD ) , 0.0)</p> <p>CostPrice = MD.spMstItemPrice.RetailPrice / 1.1 ( ( 100 – DiscPct ) / 100.0 )</p>

The screenshot displays the 'Input SPK (ADMIN)' web application. It includes sections for 'Informasi Service' with radio buttons for 'Estimasi', 'Booking', and 'SPK'. Below this are input fields for 'No. SPK' and 'Tgl. SPK'. A 'Proses / Input' section contains buttons like 'Buat SPK', 'Pelanggan', 'Batal SPK', 'History Vehicle', 'Kendaraan', and 'Tutup SPK'. The 'Status' section shows 'Total Biaya Perawatan'. The 'Kendaraan & Pelanggan' section includes 'Pekerjaan' details like 'Permintaan Perawatan', 'Jenis Pekerjaan', 'Pergantian Part', 'Perkiraan Selesai', and 'Jenis Claim'. The 'Detail Pekerjaan' table at the bottom lists columns: 'Ditanggung Oleh', 'Jenis Item', 'No Part / Pekerjaan', 'Qty/NK', 'Qty Avail' (highlighted with a red box), 'Harga', 'Disc', 'Harga Net', and 'Update New Price'.

Insert/Update svSDMovement only used for SD & SPK which using Part/Material

Field Name	Type	Description
CompanyCode	varchar(15)	Company Code (SBT/SMG Company Code)
BranchCode	varchar(15)	Branch Code (SBT/SMG Branch Code)
DocNo	varchar(15)	Document Number (Job Order Number)
DocDate	datetime	Document Date (Job Order Date)
PartNo	varchar(20)	Part Number
PartSeq	integer	Sequence
WarehouseCode	varchar(15)	Warehouse Code
Qty	numeric(18,2)	Quantity
DiscPct	numeric(6,2)	Discount Percentage
CostPrice	numeric(18,2)	Cost Price



RetailPrice	numeric(18,2)	Retail Price
TypeofGoods	varchar(5)	Type of Goods
CompanyMD	varchar(15)	Company MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
BranchMD	varchar(15)	Branch MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
WarehouseMD	varchar(15)	Warehouse MD Code
QtyFlag	char(1)	'x' - for SPK  Notes: '+' - Addition quantity '-' - Subtract quantity 'x' - No transaction
Status	char(1)	'0' - Open Job Order '1' - Dalam Pengerjaan / Progress Service '2' - Tes Drive / Test Drive '3' - Pemeriksaan Akhir / Final Check '4' - Pencucian / Washing '5' - Tutup SPK / Closed SPK '6' - Batal SPK / Cancel SPK '7' - Invoice / Invoice '8' - Batal Invoice / Cancel Invoice '9' - Faktur Pajak 'A' - Batal Faktur Pajak / Cancel Faktur Pajak 'B' - Retur Faktur Pajak / Faktur Pajak Return
CreatedBy	varchar(15)	Created By
CreatedDate	datetime	Created Date
LastUpdateBy	varchar(15)	Last Update By
LastUpdateDate	Datetime	Last Update Date

### 2.3.1.2 Generate Invoice (Faktur Penjualan & Faktur Penjualan Batch)

For SD, the process does not cut the stock on hand (OnHand)

Insert svSDMovement only used for SD & invoice using Part/Material

Field Name	Type	Description
CompanyCode	varchar(15)	Company Code (SBT/SMG Company Code)
BranchCode	varchar(15)	Branch Code (SBT/SMG Branch Code)
DocNo	varchar(15)	Document Number (InvoiceNumber)
DocDate	datetime	Document Date (Invoice Date)
PartNo	varchar(20)	Part Number
PartSeq	integer	Sequence
WarehouseCode	varchar(15)	Warehouse Code
Qty	numeric(18,2)	Quantity
DiscPct	numeric(6,2)	Discount Percentage
CostPrice	numeric(18,2)	Cost Price
RetailPrice	numeric(18,2)	Retail Price
TypeofGoods	varchar(5)	Type of Goods
CompanyMD	varchar(15)	Company MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
BranchMD	varchar(15)	Branch MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
WarehouseMD	varchar(15)	Warehouse MD Code
QtyFlag	char(1)	'-' - Subtract quantity  Notes: '+' - Addition quantity '-' - Subtract quantity

		'x' - No transaction
Status	char(1)	'0' : Opened '8' : Closed → Generate Invoice '9' : Canceled → Cancel Invoice  '0' - Buka SPK / Open Job Order '1' - Dalam Pengerjaan / Progress Service '2' - Tes Drive / Test Drive '3' - Pemeriksaan Akhir / Final Check '4' - Pencucian / Washing '5' - Tutup SPK / Closed SPK '6' - Batal SPK / Cancel SPK '7' - Invoice / Invoice '8' - Batal Invoice / Cancel Invoice '9' - Faktur Pajak 'A' - Batal Faktur Pajak / Cancel Faktur Pajak 'B' - Retur Faktur Pajak / Faktur Pajak Return
CreatedBy	varchar(15)	Created By
CreatedDate	datetime	Created Date
LastUpdateBy	varchar(15)	Last Update By
LastUpdateDate	Datetime	Last Update Date

### 2.3.1.3 Cancel Invoice (Cancel Faktur Penjualan)

Cancel Invoice for SD can be processed, if the invoice date as same as cancel invoice date

Update svSDMovement only used for SD & cancel invoice using Part/Material

Field Name	Type	Description
CompanyCode	varchar(15)	Company Code (SBT/SMG Company Code)
BranchCode	varchar(15)	Branch Code (SBT/SMG Branch Code)
DocNo	varchar(15)	Document Number (InvoiceNumber)
DocDate	datetime	Document Date (Invoice Date)
PartNo	varchar(20)	Part Number
PartSeq	integer	Sequence
WarehouseCode	varchar(15)	Warehouse Code
Qty	numeric(18,2)	Quantity
DiscPct	numeric(6,2)	Discount Percentage
CostPrice	numeric(18,2)	Cost Price
RetailPrice	numeric(18,2)	Retail Price
TypeofGoods	varchar(5)	Type of Goods
CompanyMD	varchar(15)	Company MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
BranchMD	varchar(15)	Branch MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
WarehouseMD	varchar(15)	Warehouse MD Code
Status	char(1)	'0' : Opened '8' : Closed → Generate Invoice '9' : Canceled → Cancel Invoice
CreatedBy	varchar(15)	Created By
CreatedDate	datetime	Created Date
LastUpdateBy	varchar(15)	Last Update By
LastUpdateDate	Datetime	Last Update Date

## 2.3.2 Spare Part Operation

### 2.3.2.1 Entry Pengeluaran Stock

The process same as 2.3.2.4.

### 2.3.2.2 Pembuatan PL & Entry Picked Qty PL

The process same as 2.3.2.4.

### 2.3.2.3 Pembuatan Lampiran Dokumen Non Penjualan

The process same as 2.3.2.4.

### 2.3.2.4 Pembuatan Lampiran Dokumen Service (combine 1 + 2 + 3)

SD: for point 1, 2, 3 & 4... each quantity take from MD.spMstItems and MD.spMstItemLoc

- On Hand Quantity = MD.spMstItems.OnHand  
MD.spMstItemLoc.OnHand
- Allocation Quantity = MD.spMstItems.AllocationSP  
MD.spMstItemLoc.AllocationSP
- Available Quantity = MD.spMstItems.OnHand –  
( MD.spMstItems.AllocationSL +  
MD.spMstItems.AllocationSP +  
MD.spMstItems.AllocationSV )  
MD.spMstItemLoc.OnHand –  
( MD.spMstItemLoc.AllocationSL +  
MD.spMstItemLoc.AllocationSP +  
MD.spMstItemLoc.AllocationSV )
- Update to MD.spMstItems.OnHand & MD.spMstItems.AllocationSP  
Update to MD.spMstItemLoc.OnHand & MD.spMstItemLoc.AllocationSP
- Insert another table still using SD, ex. SD.spTrnSORDHdr, SD.spTrnSORDDtl, etc..
- **Note: Deduct the Stock On Hand Quantiy & Allocation Quantity in MD Database.**

Insert to svSDMovement only used for SD & “Pembuatan Lampiran Dokumen Non Penjualan”

Field Name	Type	Description
CompanyCode	varchar(15)	Company Code (SBT/SMG Company Code)
BranchCode	varchar(15)	Branch Code (SBT/SMG Branch Code)
DocNo	varchar(15)	Document Number (InvoiceNumber)
DocDate	datetime	Document Date (Invoice Date)
PartNo	varchar(20)	Part Number
PartSeq	integer	Sequence
WarehouseCode	varchar(15)	Warehouse Code
Qty	numeric(18,2)	Quantity
DiscPct	numeric(6,2)	Discount Percentage
CostPrice	numeric(18,2)	Cost Price
RetailPrice	numeric(18,2)	Retail Price
TypeofGoods	varchar(5)	Type of Goods
CompanyMD	varchar(15)	Company MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
BranchMD	varchar(15)	Branch MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)

WarehouseMD	varchar(15)	Warehouse MD Code
Status	char(1)	'0' : Opened '8' : Closed → Lampiran Dokumen Non Penjualan '9' : Canceled
CreatedBy	varchar(15)	Created By
CreatedDate	datetime	Created Date
LastUpdateBy	varchar(15)	Last Update By
LastUpdateDate	Datetime	Last Update Date

### 2.3.2.5 Entry Retur Supply Slip

This process can be used before invoicing.

SD: Return Quantity

- add Stock On Hand Quantity Hand in spMstItems & spMstItemLoc table
- Update Cost Price in spMstItemPrice table

- **Note: Update the Stock On Hand & Cost Price in MD Database...**

Insert to svSDMovement only used for SD & "Supply Slip Return"

Field Name	Type	Description
<b>CompanyCode</b>	varchar(15)	Company Code (SBT/SMG Company Code)
<b>BranchCode</b>	varchar(15)	Branch Code (SBT/SMG Branch Code)
<b>DocNo</b>	varchar(15)	Document Number (InvoiceNumber)
DocDate	datetime	Document Date (Invoice Date)
<b>PartNo</b>	varchar(20)	Part Number
<b>PartSeq</b>	integer	Sequence
WarehouseCode	varchar(15)	Warehouse Code
Qty	numeric(18,2)	Quantity
DiscPct	numeric(6,2)	Discount Percentage
CostPrice	numeric(18,2)	Cost Price
RetailPrice	numeric(18,2)	Retail Price
TypeofGoods	varchar(5)	Type of Goods
CompanyMD	varchar(15)	Company MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
BranchMD	varchar(15)	Branch MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
WarehouseMD	varchar(15)	Warehouse MD Code
Status	char(1)	'0' : Opened '8' : Closed → Lampiran Dokumen Non Penjualan '9' : Canceled
CreatedBy	varchar(15)	Created By
CreatedDate	datetime	Created Date
LastUpdateBy	varchar(15)	Last Update By
LastUpdateDate	Datetime	Last Update Date

### 2.3.2.6 Entry Retur Service

This process can be used after invoicing.

SD: Return Quantity

- add Stock On Hand Quantity Hand in spMstItems & spMstItemLoc table
- Update Cost Price in spMstItemPrice table

- **Note: Update the Stock On Hand & Cost Price in MD Database...**

Insert to svSDMovement only used for SD & “Retur Service”

Field Name	Type	Description
<b>CompanyCode</b>	varchar(15)	Company Code (SBT/SMG Company Code)
<b>BranchCode</b>	varchar(15)	Branch Code (SBT/SMG Branch Code)
<b>DocNo</b>	varchar(15)	Document Number (InvoiceNumber)
<b>DocDate</b>	datetime	Document Date (Invoice Date)
<b>PartNo</b>	varchar(20)	Part Number
<b>PartSeq</b>	integer	Sequence
<b>WarehouseCode</b>	varchar(15)	Warehouse Code
<b>Qty</b>	numeric(18,2)	Quantity
<b>DiscPct</b>	numeric(6,2)	Discount Percentage
<b>CostPrice</b>	numeric(18,2)	Cost Price
<b>RetailPrice</b>	numeric(18,2)	Retail Price
<b>TypeofGoods</b>	varchar(5)	Type of Goods
<b>CompanyMD</b>	varchar(15)	Company MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
<b>BranchMD</b>	varchar(15)	Branch MD Code (BIT/IJMG/SVMG/ISG/ISMG Code)
<b>WarehouseMD</b>	varchar(15)	Warehouse MD Code
<b>Status</b>	char(1)	‘0’ : Opened ‘8’ : Closed → Lampiran Dokumen Non Penjualan ‘9’ : Canceled
<b>CreatedBy</b>	varchar(15)	Created By
<b>CreatedDate</b>	datetime	Created Date
<b>LastUpdateBy</b>	varchar(15)	Last Update By
<b>LastUpdateDate</b>	Datetime	Last Update Date

### 2.3.2.7 Posting MD & SD (only for MD Database)

Policy:

1. User have to input the process date
2. System will validate then process date: Process date have to <= server date
3. Posting process will do automatically to create document for
  - a. Entry Pengeluaran Stock
  - b. Pembuatan PL & Entry Picked Qty PL
  - c. Pembuatan Faktur Penjualan
  - d. Entry Retur Penjualan
 ⇒ svSDMovement table as a source data process

### 2.3.2.8 Posting MD & SD (only for SD Database)

Policy:

1. User have to input the process date
2. System will validate then process date: Process date have to <= server date
3. Posting process will do automatically to create document for
  - a. Entry Pesanan Spare Part
  - b. Entry Draft Penerimaan (Binning)
  - c. Entry Penerimaan Persediaan (WRS)
  - d. Entry HPP
  - e. Entry Claim Supplier
 ⇒ svSDMovement table as a source data process